

## INTERNATIONAL SEARCH REPORT

In tional Application No  
PCT/CH2005/000064

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H02P6/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H02P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 653 829 B1 (HENRY RASSEM RAGHEB ET AL) 25 November 2003 (2003-11-25) column 4, line 35 - column 13, line 17; figures 1-14	1-10
A	US 6 005 364 A (ACARNLEY ET AL) 21 December 1999 (1999-12-21) column 4, line 51 - column 13, line 67; figures 1-5	1-10
A	BOLOGNANI S ET AL: "SENSORLESS FULL-DIGITAL PMSM DRIVE WITH EKF ESTIMATION OF SPEED AND ROTOR POSITION" IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, IEEE INC. NEW YORK, US, vol. 46, no. 1, February 1999 (1999-02), pages 184-191, XP000831943 ISSN: 0278-0046	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

06/06/2005

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Information on patent family members

In tional Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6653829	B1	25-11-2003	WO	0120351 A1	22-03-2001
US 6005364	A	21-12-1999	DE	69321238 D1	29-10-1998
			DE	69321238 T2	11-02-1999
			EP	0656158 A1	07-06-1995
			WO	9405077 A1	03-03-1994
			GB	2284513 A ,B	07-06-1995